PTO/SB/08a (03-09)
Approved for use through 04/30/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*				Application Number	10/799,177
				Filing Date	March 12, 2004
				First Named Inventor	David S. Pearson
				Art Unit	2435
				Examiner Name	Hosuk Song
Sheet	1	of	2	Attorney Docket Number	BBNT-P01-015

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number — Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,157,461	10-20-1992	Page	
		6,160,627	12-12-2000	Ahn et al.	
		6,208,935	03-27-2001	Yamada et al.	
		6,438,234	08-20-2002	Gisin et al.	
		6,556,544	04-29-2003	Lee	
		6,720,589	04-13-2004	Shields	
		6,721,269	04-13-2004	Cao et al.	
		6,873,797	03-29-2005	Chang et al.	
		6,934,472	08-23-2005	Chang et al.	
		7,068,790	06-27-2006	Elliott	
		2003/0137944	07-24-2003	Medvinsky	
		2003/0180042	09-25-2003	Nelles et al.	
		2004/0032954	02-19-2004	Bonfrate et al.	
		2004/0109564	06-10-2004	Cerf et al.	
		2004/0136321	07-15-2004	Ren et al.	
		2006/0252381	11-09-2006	Sasaoka et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		WO 96/07951	03-14-1996	British Telecommunications		

Examiner Signature	/Hosuk Song/	Date Considered	06/12/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /H.S./

Substitute for form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*			Application Number	10/799,177
			Filing Date	March 12, 2004
			First Named Inventor	David S. Pearson
			Art Unit	2435
			Examiner Name	Hosuk Song
Sheet	2	of 2	Attorney Docket Number	BBNT-P01-015

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		Galindo et al., "Information and computation: Classical and quantum aspects," May 8, 2002, http://prola.aps.org/.	
		Gisin, N. et a., "Quantum cryptography", Reviews of Modem Physics, 74:145-195, January 2002.	
		Gisin, N. "Quantum Cryptography on Noisy Channels: Quantum versus Classical Key-Agreement Protocols," The American Physical Society, Physical Review Letters, Vol. 83, No. 20, pp. 4200-4203, November 1999.	
		Huang, N., "A Novel IP-Routing Lookup Scheme and Hardware Architecture for Multigigabit Switching Routers," IEE Journal of Selected Areas in Communication, Vol. 17, No. 6, pp. 1093-1104, June 1999.	
		Hughes, et al., "Practical quantum key distribution over a 48-km optical fiber network", Los Alamos National Laboratory, April 8, 1999, http://arxiv.org/abs/quant-ph/9904038.	
		Liu, S., et al., "A Practical Protocol For Advantage Distillation and Information Reconciliation", Designs, Codes & Cryptography, Vol. 30, No. 1, pp. 39-62, August 2003.	
		Mauer, U.M., et al., "Unconditionally Secure Key Agreement and The Intrinsic Conditional Information", IEEE Transactions on Information Theory, Vol. 45, No. 2, pp. 499-514, March 1999.	
		Merolla et al., "Quantum cryptographic device using single-photon phase modulation," Physical Review A, Vol. 60, No. 3, September 1999.	
		Nambu, Y. et al., "BB84 Quantum Key Distribution System based on Silica-Based Planar Lightwave Circuits", Japan Journal of Applied Physics, Vol. 43, No. 8B, pp. 1-11, April 2004.	
		Tittel et al., "Quantum Cryptography Using Entangled Photons In Energy-Time Bell States," "Physical Review Letters, Vol. 84, No. 20, pp. 4737-4740, May 2000.	
		Zhang, Xian-Mo and Zhen, Yuliang, "Cryptographically Resilient Functions", IEE Transactions on Information Theory, Vol. 43, No. 5, pp. 1740-1747, September 1997. Found at: http://ieeexplore.ieee.org/iel3/18/13537/00623184.pdf?tp+&arnumber=623184&isnumber=1351.	
		Office Action issued 9/26/2007 in 10/716,078	
		Office Action issued 10/29/2007 in 10/786,314	
		Office Action issued 10/11/2007 in 10/795,398	
		Office Action issued 3/27/2008 in 10/799,177	
		Office Action issued 10/05/2005 in 09/944,328	
		Office Action issued on 3/31/2005 in 09/943,709	
		Office action issued on 10/06/2005 in 09/943,709	
		Office Action issued on 11/17/2006 in 09/944,328	
		Office action issued on 2/15/2006 in 10/271,103	
		Office action issued on 8/8/2006 in 10/271,103	
		Office action issued on 11/26/2007 in 10/716,747	

Examiner Signature	/Hosuk Song/	Date Considered	06/12/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /H.S./